

**ARIZONA GAME AND FISH DEPARTMENT
HABITAT PARTNERSHIP PROGRAM
HABITAT ENHANCEMENT AND WILDLIFE MANAGEMENT PROPOSAL**

PROJECT INFORMATION

Project Title: Bar T Bar Prescribed Burning		Project No.
Region/GMU: Region II, GMU 5A	HPC: Williams & Flagstaff HPC	
Project Type: Prescribed burning of grasslands with encroaching juniper.		
Project Description: This project is part of a larger landscape level approach to improve and restore grassland habitat on the Bar T Bar allotment, Coconino National Forest – Mogollon Ranger District (See Map). The Bar T Bar Ranch has removed, using a variety of methods, encroaching juniper since the late 1950's to date. Such methods include mechanical chaining, mechanical pushes, fire (tera-torch) and grinding. Since the 1950's, vegetation treatments now exceed 30,000 acres. Mechanical methods are valuable tools, however, they are becoming cost prohibitive on a large scale. We propose to maintain and improve the herbaceous community through the use of prescribed burning. Prescribed burning of grassland communities through the use of prescribed burning will require less long term mechanical maintenance. This project was initiated by Bar T Bar Ranch, USFS Range, Fire, Wildlife Departments and Arizona Game and Fish Department and targets approximately 6,000 – 10,000 acres of a 33,000 acre project area. A 250 acre test prescribed burn was initiated in July 2010 on Juniper (See photo).		
Wildlife Species to Benefit: The area receives use by Elk, Deer & Pronghorn , which will benefit from an improved herbaceous plant community.		
Possible Funding Partners:		
Implementation Schedule: Beginning: Spring 2011 Completed: Spring 2013	NEPA Compliance: (if applicable) Completed: Yes <u> X </u> No <u> </u> Projected Completion Date:	
PROJECT FUNDING		
SBG Funds Requested: \$ 36,000 (\$ 12,000/year) Cost Share Funds: \$ 24,000 Total Project Costs: \$ 60,000		
PARTICIPANT INFORMATION		
Applicant: Iric Burden (please print) Telephone: 928-853-5045	Address: Mogollon Ranger District 8738 Ranger Road Happy Jack, AZ 86024	
AGFD Contact and Phone No. Sarah Rife – (928)-214-1253 and Garret Fabian (928)-606-3557 (If applicant is not AGFD personnel)		
Coordinated with: Sarah Rife and Garret Fabian		Date: February, 2010
Applicant's signature: /s/ Iric Burden		Date: August 30, 2008

SEND COMPLETED APPLICATIONS TO:

Game Branch
2221 W. Greenway Rd.
Phoenix, AZ 85023
mdisney@azgfd.gov

WAS PROJECT PRESENTED TO THE LOCAL HPC? YES _____ NO **x**

HAS PROJECT BEEN SUBMITTED IN PREVIOUS YEARS? No IF SO WAS IT FUNDED?

NEED STATEMENT/PROBLEM ANALYSIS: There is a need to maintain and improve wildlife habitat conditions, herbaceous quality and diversity within grasslands undergoing juniper encroachment.

PROJECT OBJECTIVES:

- 1) Target encroaching junipers through the use of direct ignitions.
- 2) Broadcast prescribed burning of the herbaceous plant communities.
- 3) Create a long term prescribed burning rotation within approved treatment areas.
- 4) Prescribe Burn 6000 – 10,000 acres over a three year time period.

PROJECT STRATEGIES:

- 1) Optimize juniper mortality with direct ignitions during favorable times of the year.
- 2) Broadcast prescribed burning of the herbaceous plant communities to ensure maintenance of grasslands.
- 3) Burn 1500 – 3000 acres per year.

PROJECT LOCATION: East of Highway 87 in the Red Hill, Quail Units (See attached map)

LAND OWNERSHIP AT PROJECT SITE (Please state specifically if PRIVATE PROPERTY and provide landowner's name): US Forest Service

IF PRIVATE PROPERTY, IS THERE A STEWARDSHIP AGREEMENT BETWEEN THE LANDOWNER AND THE DEPARTMENT?

HABITAT DESCRIPTION: Pinyon-Juniper, Grassland

ITEMIZED USE OF FUNDS: (See Attached Spreadsheet)

LIST COOPERATORS AND DESCRIBE POTENTIAL PARTICIPATION:

- 1) SBC Funds: Match Funding, Habitat Improvement Funding
- 2) Arizona Game and Fish Department: Support and Logistics
- 3) US Forest Service: NEPA, Development of Prescribed Burn Plan, Implementation of Prescribed Burns, Project Oversight, Miscellaneous Labor.
- 4) Bar T Bar Ranch: Adoption of prescribed burning into management plan.

PROJECT MONITORING PLAN:

The US Forest Service will oversee prescribed burning implementation and will ensure compliance.

US Forest Service, Arizona Game and Fish Department and Bar T Bar Ranch will monitor post-burn plant communities.

PROJECT MAINTENANCE:
USFS

PROJECT COMPLETION REPORT TO BE FILED BY:
Iric Burden, USFS

WATER DEVELOPMENT PROJECTS (see attached worksheet): N/A

TREE SHEARING (AGRA-AXE, PUSH) PROJECTS (see attached worksheet): N/A

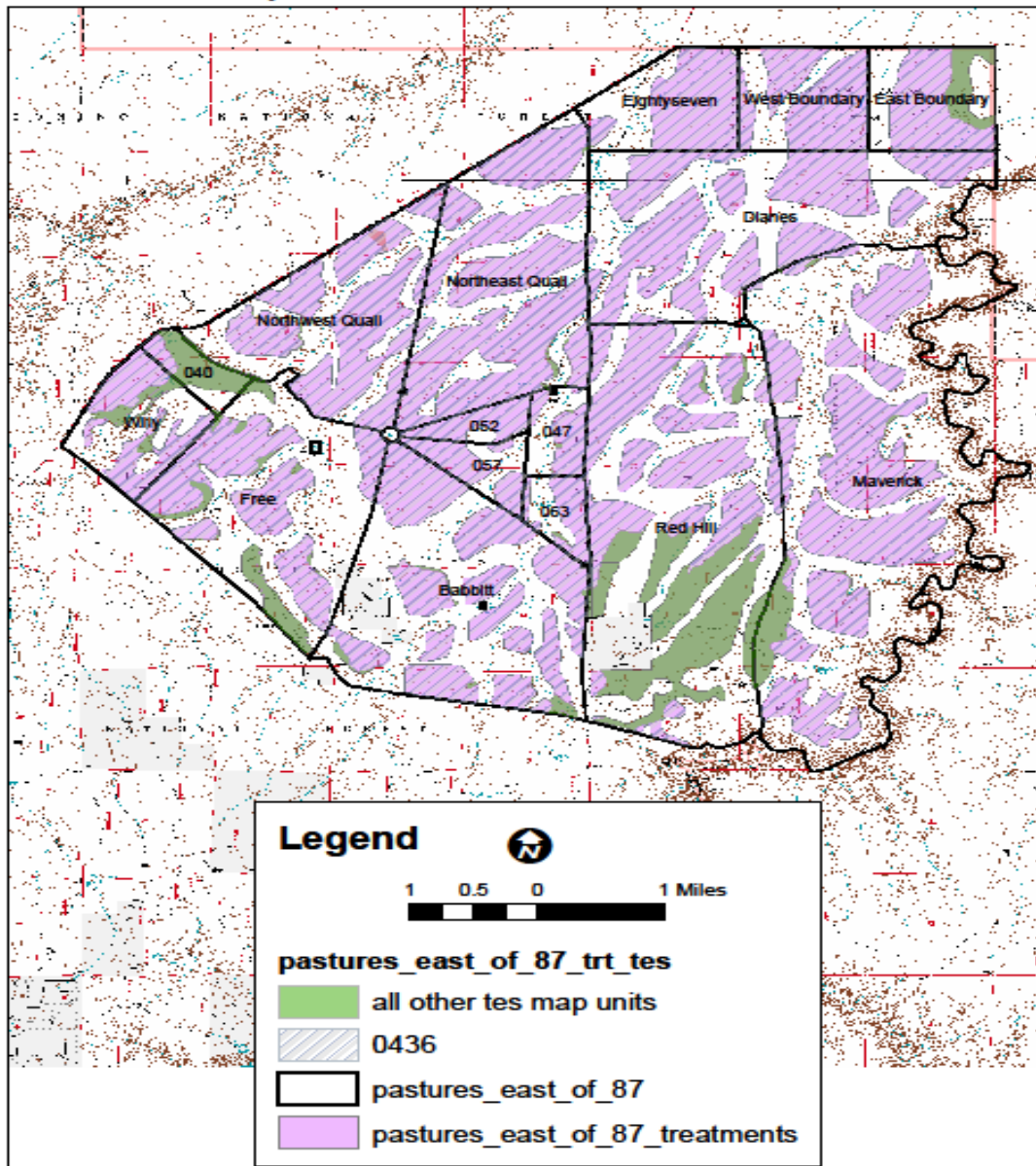
Itemized Use of Funds

East of Hwy 87	Type of Match	Partner Share	Cost/Year	Total Cost
Prescribed Burning	Equipment (In Kind, Funded by Fire)	USFS Match	\$3,000	\$9,000
Prescribed Burning	NEPA & Clearances (In Kind, Funded by Fire)	USFS Match	\$4,000	\$12,000
Prescribed Burning	Project Oversight, Monitoring (In Kind Funded by Range)	USFS Match	\$1,000	\$3,000
		Total Match	\$8,000	\$24,000

Itemized SBG Funds Request

Prescribed Burning	Prescribed Burning Implementation: Labor cost for USFS Prescribed burn team.	SBG Funds	\$12,000	\$36,000
		Total SBG Funds Request		\$36,000

Diablo Trust Treatments by Pasture Map Unit 436 is Cross-Hatched



Map. Bar T Bar prescribed burn treatments. Each treatment area has been mechanically treated since the 1950's at least on time.



Antelope on Bar T Bar Allotment – Maverick Pasture next to east Clear Creek



Juniper prescribed burning on Bar T Bar Allotment
Maverick Pasture next to east Clear Creek, July 2010